

ABSTRACT OF DISCLOSURE

A fusing system and a temperature control method thereof for use  
in an image forming apparatus. The fusing system comprises a control unit having a controller.  
5     The controller determines whether to initiate a heater driving-start timing, on the basis of one of  
      a first time t1 and a third time t3, and a second time t2, when a sheet of printing paper is picked  
      up by the pickup roller, or when a leading end of the sheet of the printing paper picked up by the  
      pickup roller operates the paper jam sensor, the first time t1 being a time when the sheet of  
      printing paper is picked up to a point of time when the sheet of printing paper arrives at the  
10    fusing roller, the second time t2 being a time required until a heat generated from the heater  
      arrives at a surface of the fusing roller, and the third time t3 being a time from when the sheet of  
      printing paper operates the paper jam sensor to when the sheet of printing paper is arrives at the  
      fusing roller.